



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

S192700

C60-OH

Job Sheet OH195652



Part No: C60-OH

Job Qty: 1 ea

Part Name: C-Series Remote Hook 6,000 lbs Lift Capacity



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 5/29/19

Job Tracking No:

Due Date: 7/16/19

Created By: Jennifer Renwick

Type: Rework - OH

Description: RA693 / Order 16735 / SN
AC12001

Note: DWG OM&OOPM-C60 Rev. 3 IPP Rev. B 18.04.19 new issue DP Verify DD

Ship Via:

NO PREPARATION REQUIRED C45-15-6 NOT USED FOR

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup Hrs	Run Hrs		
110	External Load - 1	1 pcs	7/16/19		0.00	0.50	External Load - 1	
							External Load - 2	
							External Load - 3	
120	QC 5	1 pcs	7/16/19		0.00	0.00	QC 5 - 10	
							QC 5 - 12	
							QC 5 - 17	
							QC 5 - 18	
							QC 5 - 19	
							QC 5 - 22	
							QC 5 - 24	
							QC 5 - 3	
							QC 5 - 43	
							QC 5 - 49	
							QC 5 - 51	
							QC 5 - 58	
							QC 5 - 68	
							QC 5 - 9	
							QC 5 - 50	
							QC 5 - 30	
							QC 5 - 40	
130	Customer Acceptance	1 pcs	7/16/19		0.00	0.00		
140	Outsource - 2 - NDT per QSI038	1 pcs	7/16/19				SKY002-VC 5	
142	Packaging 2-1 - Receive - B4B	1 pcs	7/16/19		0.00	0.00	Packaging 2 - 1 - B4B	
							Packaging 2 - 2 - B4B	
							Packaging 2 - 3 - B4B	
							Packaging 2 - 5 - B4B	
							Packaging 2 - 4 - B4B	
							Packaging 2 - 6 - B4B	
							Packaging 2 - 7 - B4B	
							Packaging 2 - 8 - B4B	
							Packaging 2 - 9 - B4B	
							Packaging 2 - 10 - B4B	
							Packaging 2 - 11 - B4B	
							Packaging 2 - 12 - B4B	
							Packaging 2 - 13 - B4B	
							Packaging 2 - 14 - B4B	
							Packaging 2 - 15 - B4B	
							Packaging 2 - 16 - B4B	
							Packaging 2 - 17 - B4B	

not started
ASSY.
JULY 24/19



Container No: S192700



Part: C60

Job No: OH195652

Serial No/Batch: S192700

Revision: 3

Inspector:

Exp Date:

Instructions:

Date: 06/24/19

1 kit = 12 pcs.

				Packaging 2 - 18 - B4B	
				Packaging 2 - 19 - B4B	
				Packaging 2 - 20 - B4B	
				Packaging 2 - 21 - B4B	
				Packaging 2 - 22 - B4B	
				Packaging 2 - 23 - B4B	
				Packaging 2 - 24 - B4B	
				Packaging 2 - 25 - B4B	
				Packaging 2 - 26 - B4B	
				Packaging 2 - 27 - B4B	
				Packaging 2 - 28 - B4B	
				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
143	QC 6	1	7/16/19	0.00 0.00	QC 6 - 9
		pcs			QC 6 - 68
					QC 6 - 61
					QC 6 - 40
144	External Load - 2 - B4B	1	7/16/19	0.00 0.50	External Load - 1 - B4B
		pcs			External Load - 2 - B4B
					External Load - 3 - B4B
145	Outsource - 15 - Nickel Plate	1	7/16/19		GRO002-VC 10
		pcs			
150	Packaging 2-2 - Receive - B4B	1	7/16/19	0.00 0.00	Packaging 2 - 1 - B4B
		pcs			Packaging 2 - 2 - B4B
					Packaging 2 - 3 - B4B
					Packaging 2 - 5 - B4B
					Packaging 2 - 4 - B4B
					Packaging 2 - 6 - B4B
					Packaging 2 - 7 - B4B
					Packaging 2 - 8 - B4B
					Packaging 2 - 9 - B4B
					Packaging 2 - 10 - B4B
					Packaging 2 - 11 - B4B
					Packaging 2 - 12 - B4B
					Packaging 2 - 13 - B4B
					Packaging 2 - 14 - B4B
					Packaging 2 - 15 - B4B
					Packaging 2 - 16 - B4B
					Packaging 2 - 17 - B4B
					Packaging 2 - 18 - B4B
					Packaging 2 - 19 - B4B
					Packaging 2 - 20 - B4B
					Packaging 2 - 21 - B4B
					Packaging 2 - 22 - B4B
					Packaging 2 - 23 - B4B
					Packaging 2 - 24 - B4B
					Packaging 2 - 25 - B4B
					Packaging 2 - 26 - B4B
					Packaging 2 - 27 - B4B
					Packaging 2 - 28 - B4B
					Packaging 2 - 29 - B4B
					Packaging 2 - 30 - B4B
					Packaging 2 - 31 - B4B
					Packaging 2 - 32 - B4B
					Packaging 2 - 33 - B4B
					Packaging 2 - 34 - B4B
					Packaging 2 - 35 - B4B
					Packaging 2 - 36 - B4B
155	QC 6	1	7/16/19	0.00 0.00	QC 6 - 9
		pcs			QC 6 - 68
					QC 6 - 61
					QC 6 - 40
170	Small Fab	1	7/16/19	0.00 1.00	Small Fab - 1 - B4B
		pcs			

DAS
61
9-89

2019-07-10

JUL 17 2019

DAS
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9-89

JUL 19 2019

AD 2019/07/24
MICHEL 2019-07/24

180 QC 5	1 pcs	7/16/19	0.00 1.00	QC 5 - 10	
				QC 5 - 12	
				QC 5 - 17	
				QC 5 - 18	
				QC 5 - 19	
				QC 5 - 22	
				QC 5 - 24	
				QC 5 - 3	
				QC 5 - 43	
				QC 5 - 49	
				QC 5 - 51	
				QC 5 - 58	
				QC 5 - 68	
				QC 5 - 9	
				QC 5 - 50	
				QC 5 - 30	DAS 30 389
				QC 5 - 40	
190 Packaging 3-2 - Stock - B4B	1 pcs	7/16/19	0.00 1.00	Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	DAS 30 389
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	DAS 21
				Packaging 3 - 36 - B4B	
200 QC21-FG	1 Ea	7/16/19	0.00 0.00	QC 21 - FG - 21	9-89 JUL 24 2019

Part Op 110 - TEST ASSEMBLY. DISASSEMBLE ASSEMBLY. INSPECT DAMAGE PART.
 Descriptions: 145 - Issue P/O; 43966 - Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004- .0006 -Bake after plating -Material type; 4140 -Certificate of Conformity is required
 170 - RE-ASSEMBLE. TEST ASSEMBLY.
 180 - QC5- Inspect part completeness to step on W/O
 190 - (Identify as per dwg & Stock Location: _____)
 200 - QC21- Final Inspection - Work Order Release

GREASE AEROSHELL No.7
 LOCTITE 242
 LOCTITE 620
 SAF-T-EZE

S 138964
 M 138933
 S 166705
 M 138973

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
C60-AR	C-Series Remote Hook 6,000 lbs Lift Capacity	1 pcs (1 ea)	110-External Load - 1	5184922
188-FSCS-1032-5/8	Flat socket cap Screw	4 Ea (4 ea)	170-Small Fab	
2595K2	Heat Shrink	1 ft (1 ea)	170-Small Fab	
32448	16-14 AWG Knife Connector	2 Ea (2 ea)	170-Small Fab	
600.1309	CANAM Plate ID Label	1 pcs (1 ea)	170-Small Fab	
600.1309-A	Label	1 pcs (1 ea)	170-Small Fab	
600.1312	Caution Sticker	1 pcs (1 ea)	170-Small Fab	
AN4-24A	Bolt	2 Ea (2 ea)	170-Small Fab	
AN5-21A	Bolt	4 Ea (4 ea)	170-Small Fab	
C10-41	Strain Relief Connector	1 Ea (1 ea)	170-Small Fab	
C2-14-2	Label Rivets	2 Ea (2 ea)	170-Small Fab	
C45-1-1	Manual Knob Release	1 pcs (1 ea)	170-Small Fab	
C45-10-1	Lock Spring Pin	1 Ea (1 ea)	170-Small Fab	
C45-11-2	Locating Pin	2 Ea (2 ea)	170-Small Fab	
C45-12-1	Lock Bushing	2 pcs (2 ea)	170-Small Fab	
C45-12-2	Lock Shaft	1 pcs (1 ea)	170-Small Fab	
C45-12-4	Lock Roller	1 pcs (1 ea)	170-Small Fab	
C45-12-5	Lock Roller Pin	1 pcs (1 ea)	170-Small Fab	
C45-12-6	Retaining Ring	2 Ea (2 ea)	170-Small Fab	
C45-13-1	Keeper Bushing	2 pcs (2 ea)	170-Small Fab	
C45-13-2	Teflon Keeper, Spacer	2 Ea (2 ea)	170-Small Fab	
C45-13-3	Keeper Shaft	1 pcs (1 ea)	170-Small Fab	
C45-13-4	Keeper	1 pcs (1 ea)	170-Small Fab	
C45-13-5	Keeper Spring	1 pcs (1 ea)	170-Small Fab	
C45-3-11	Actuator	1 pcs (1 ea)	170-Small Fab	
C45-3-12	Latch Roller Bearing	1 Ea (1 ea)	170-Small Fab	
C45-3-2	Latch Roller Pin	1 pcs (1 ea)	170-Small Fab	
C45-3-2-1	Snap Ring	2 Ea (2 ea)	170-Small Fab	
C45-3-3	Latch Roller	1 pcs (1 ea)	170-Small Fab	
C45-3-4	Pin	2 pcs (2 ea)	170-Small Fab	
C45-3-4-1	Retaining Ring	4 Ea (4 ea)	170-Small Fab	
C45-3-5	Teflon Spacer	2 Ea (2 ea)	170-Small Fab	
C45-3-6	Latch	1 pcs (1 ea)	170-Small Fab	
C45-3-7	Link	1 pcs (1 ea)	170-Small Fab	
C45-3-8A	Actuator Shaft Bushing	1 pcs (1 ea)	170-Small Fab	
C45-3-8B	Actuator Shaft Bushing	1 pcs (1 ea)	170-Small Fab	
C45-3-9	Lever Spring	1 pcs (1 ea)	170-Small Fab	
C45-4-1	Trunnion Bushing	2 pcs (2 ea)	170-Small Fab	
C45-4-4A	C45 Load Beam Assembly	1 pcs (1 ea)	170-Small Fab	
C45-4-5	Loadbeam Spacer	1 pcs (1 ea)	170-Small Fab	
C45-5-1	Lever Stop Pin	1 Ea (1 ea)	170-Small Fab	
C45-5-2	Lever Stop	1 pcs (1 ea)	170-Small Fab	
C45-7-1	LOADBEAM BUMPER	1 pcs (1 ea)	170-Small Fab	
C45-7-2	Lock Bumper	2 pcs (2 ea)	170-Small Fab	
C45-8-1-2	Solenoid Nut	2 pcs (2 ea)	170-Small Fab	
C45-8-2	Solenoid	1 pcs (1 ea)	170-Small Fab	
C45-8-4	Solenoid Cover Gasket	1 pcs (1 ea)	170-Small Fab	
C45-8-5	Solenoid Cover	1 pcs (1 ea)	170-Small Fab	
C45-9-1	Clock Spring Cover	1 pcs (1 ea)	170-Small Fab	
C45-9-2	Clock Spring	1 pcs (1 ea)	170-Small Fab	
C60-10-2	Lock Spring	1 pcs (1 ea)	170-Small Fab	
C60-11-1	Side Plate Solenoid	1 pcs (1 ea)	170-Small Fab	
C60-12-3	Lock	1 pcs (1 ea)	170-Small Fab	
C60-2-1	Side Plate	1 pcs (1 ea)	170-Small Fab	
C60-3-1	Radial Bearing	2 Ea (2 ea)	170-Small Fab	
C60-3-10	Latch Shaft	1 pcs (1 ea)	170-Small Fab	
EL-PLUG-M	3-Prong Male Spade Plug	1 Ea (1 ea)	170-Small Fab	
EL314-SJTOW	Long Line Electrical Wire, 14/3 Gauge replace w/1 01004-08-047	1 ft (1 ea)	170-Small Fab	
MS21044N5	Nut	4 Ea (4 ea)	170-Small Fab	
MS27039-4-08	Screw	1 Ea (1 ea)	170-Small Fab	
NAS1149F0463P	Washer	3 Ea (3 ea)	170-Small Fab	
NAS1149F0563P	Washer	8 Ea (8 ea)	170-Small Fab	

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
110-External Load - 1	C60	1	0	0
	188-FSCS-1032-5/8	4	143	0
170-Small Fab	2595K2	1	18	0
	32448	2	185	0
	600.1309	1	0	0
	600.1309-A	1	84	0
	600.1312	1	16	0
	AN4-24A	2	33	0
	AN5-21A	4	324	0
	C10-41	1	14	0
	C2-14-2	2	150	0
	C45-1-1	1	12	0
	C45-10-1	1	160	0
	C45-11-2	2	43	0
	C45-12-1	2	60	0
	C45-12-2	1	16	0
	C45-12-4	1	62	0
	C45-12-5	1	39	0
	C45-12-6	2	106	0
	C45-13-1	2	30	0
	C45-13-2	2	48	0
	C45-13-3	1	26	0
	C45-13-4	1	15	0
	C45-13-5	1	101	0
	C45-3-11	1	26	0
	C45-3-12	1	76	0
	C45-3-2	1	40	0
	C45-3-2-1	2	83	0
	C45-3-3	1	18	0
	C45-3-4	2	42	0
	C45-3-4-1	4	117	0
	C45-3-5	2	95	0
	C45-3-6	1	17	0
	C45-3-7	1	0	0
	C45-3-8A	1	20	0
	C45-3-8B	1	37	0
	C45-3-9	1	21	0
	C45-4-1	2	20	0
	C45-4-4A	1	6	0
	C45-4-5	1	12	0
	C45-5-1	1	39	0
	C45-5-2	1	34	0
	C45-7-1	1	28	0
	C45-7-2	2	38	0
	C45-8-1-2	2	67	0
	C45-8-2	1	0	0
	C45-8-4	1	15	0
	C45-8-5	1	37	0
	C45-9-1	1	17	0
	C45-9-2	1	38	0
	C60-10-2	1	36	0
	C60-11-1	1	0	0
	C60-12-3	1	0	0
	C60-2-1	1	0	0
	C60-3-1	2	52	0
	C60-3-10	1	0	0
	EL-PLUG-M	1	30	0
	EL314-SJTOW	1	0	0
	MS21044N5	4	49	0
	MS27039-4-08	1	214	0
	NAS1149F0463P	3	348	0
	NAS1149F0563P	8	407	0
Part Specifications				
Specifications could not be found.				

Plex 5/29/19 9:11 AM Dart.Renwick.Jennifer

Inspection Sheet Complete RA693

Customer QA Ref #

0

Part Number	Original Batch / Serial # / Ctrl #	Original Revision #	Quantity	Part Complete	Rev/CHG Current	New Paperwork	New Labels	Disposition	Original Container #	New (Receiving) Serial #	New Job #	Work order instructions
C60-AR	AC12001		1	☒ Yes	☐ Yes	☐ Yes	☒ Yes	CUSTOMER SUPPLIED		S184922	OH195652	Overhaul
C60-AR	M688-02		1	☒ Yes	☐ Yes	☐ Yes	☒ Yes	CUSTOMER SUPPLIED		S184924	OH195651	Overhaul
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					

QC Approval: _____ 0

Date: 0-Jan-00 _____

Special Return/Rework Instructions:



Overhaul Incoming Inspection
C60 Cargo Hook

Custome OH 195652 / RA 693

Date 2019/06/20

Part Number C60

Serial Number AC12001

ORDER : 16735

Additional Recomend Replacement Parts

Part Number to Replace

Customer Approval

(1) x C45-3-7 LINK

☐

(2) x C45-3-4 LINK PIN

☐☐☐☐☐☐☐☐☐

Inspected By ALAIN PATRY

Work Order

OH 195652 / RA693

Customer

Serial Number

AC 12001

Date

2019/06/20

ORDER: 16735

MAGNAFLUX

Part Number	Description	Quantity	
C45-4-4A	Load Beam	1	
C45-13-3	Keeper Shaft	1	
C45-3-7	Link	—	
C45-3-4	Link Pins	—	
C45-3-6	Latch	1	
C45-3-3	Latch Roller	1	
C45-3-2	Latch Roller Pin	1	
C60-3-10	Latch Shaft	1	
C60-12-3	Lock	1	
C45-12-2	Lock Shaft	1	
C45-12-4	Lock Roller	1	
C45-12-5	Lock Roller Pin	1	

ZYGLO

Part Number	Description	Quantity	Pass/Fail
C60-2-1	Side Plate	1	
C60-11-1	Side Plate Solenoid	1	

TOTAL : 12

Test Conducted By:

Signature:

Work Order OH 195652 / RA693 Customer _____

Serial Number AC 12001 Date 2019/06/20

ORDER: 16735

MAGNAFLUX

Part Number	Description	Quantity	
C45-4-4A	Load Beam	1 ✓	
C45-13-3	Keeper Shaft	1 ✓	
C45-3-7	Link	—	
C45-3-4	Link Pins	—	
C45-3-6	Latch	1 ✓	
C45-3-3	Latch Roller	1 ✓	
C45-3-2	Latch Roller Pin	1 ✓	
C60-3-10	Latch Shaft	1 ✓	
C60-12-3	Lock	1 ✓	
C45-12-2	Lock Shaft	1 ✓	
C45-12-4	Lock Roller	1 ✓	
C45-12-5	Lock Roller Pin	1 ✓	

ZYGLO

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Part Number	Description	Quantity	Pass/Fail
C60-2-1	Side Plate	1 ✓	
C60-11-1	Side Plate Solenoid	1 ✓	

TOTAL :

Test Conducted By: _____

Signature: _____



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB043848



Supplier: SKY002-VC
Skyservice
6120 Midfield Road
Mississauga
ON
L5P 1B1 Canada
Phone: 905-678-5636
Fax: 905-678-5841

Attention: Jenne, Heather

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB043848

PO Date: 6/26/19

Due Date: 7/2/19

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments: Rafik taking parts with him

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	OH196492	SWA3-2-OH	Electric Swivel 3,000 lb Safe Work Load (1,360 kg) LIQUID PENETRANT INSPECTION AS PER QSI 038	Firmed	-	7/2/19	1 pcs	0 pcs	1 pcs	\$133.50/pcs	\$133.50
2	OH196573	SWA3-3-OH	Electric Swivel 3,000 lb Safe Work Load (1,360 kg) LIQUID PENETRANT INSPECTION AS PER QSI 038	Firmed	-	7/2/19	1 pcs	0 pcs	1 pcs	\$133.50/pcs	\$133.50
3	196083	C3-HC-OH	C-Series Remote Hook 3,000 lbs Lift Capacity With Cage LIQUID PENETRANT INSPECTION AS PER QSI 038	Firmed	-	7/2/19	1 pcs	0 pcs	1 pcs	\$133.50/pcs	\$133.50
4	OH195652	C60-OH	C-Series Remote Hook 6,000 lbs Lift Capacity LIQUID PENETRANT INSPECTION AS PER QSI 038	Firmed	-	7/2/19	1 pcs	0 pcs	1 pcs	\$133.50/pcs	\$133.50
Grand Total:											\$534.00



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB043848



Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

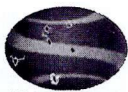
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 6/28/19 8:21 AM Dart.Guerin.Kimberley

**skyservice****Work Order Traveler**

Sky Service F.B.O. Inc.

10105 Ryan Avenue, Dorval, Quebec, H9P 1A2

TCCA AMO 53-89 / EASA 145.7142 / BDA AMO 385

WO#: MWO40879	Customer: Dart Aerospace Ltd.	Dept: NDT YUL	Reference: POHB043848
Descr:	PN:	S/N:	Qty: 1
Make:	Model:	Reg:	A/C S/N:
TSN:	CSN:	TSO:	
Task: UNSCHEDULED			Sequence: 1

Work Required:**CARRY OUT NDT ON :**

(1) ELECTRIC SWIVEL (2 PCS) P/N# SWA3-2-OH , J/S# OH196492 ✓

(1) ELECTRIC SWIVEL (2 PCS) P/N# SWA3-3-OH , J/S# OH196573 ✓

(1) C-SERIES REMOTE HOOK (11 PCS) P/N# C3-HC-OH , J/S# 196083 ✓

(1) C-SERIES REMOTE HOOK (12 PCS) P/N# C60-OH , J/S# OH195652 ✓

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9-89

Action Taken:						Date:	Initial/Stamp:
LPI & MPI C/O IAW ASTM E-1417M-16 AND ASTM E-1444M-16 ***NO CRACK FOUND*** PEN , ZL-37 MPO#: 23206 CLEANER SKC-S MPO15030, EMU.(ZR-10B, MPO23451), DEV. MPO15030, UV LIGHT M-20142 MAGBENCH S/N 208123 CAL DUE: 25-SEP-2019 POWDER 14A BATCH# MPO13600 CARRIER II BATCH# MPO22794 BLACK LIGHT-M20186						JUN 27 2019	DOT-APP 310 53-89 RV
RECEIVED JUN 28 2019 DART AEROSPACE LTD.							
Description	Location	P/N	Qty	Batch	S/N Off	S/N On	

I certified that the maintenance described above has been performed in accordance with the applicable standard of airworthiness.

Signature:	ACA/SCA Stamp DOT-APP 310 53-89	Date: JUN 27 2019
Name: RICARDO VARGAS		



DATE: 2019/07/09

NICKEL PLATING

MODEL: C60

S/N : AC12001

JOB : OH195652

ORDER : 16735

P/N	DESCRIPTION	QUANTITY
C45-4-4A	LOAD BEAM	1
C45-12-4	LOCK ROLLER	1
C45-3-3	LATCH ROLLER	1
C45-3-2	LATCH ROLLER PIN	1
C45-13-3	KEEPER SHAFT	1
C60-12-3	LOCK	1
TOTAL		5



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB043966



Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

Attention: Grenon, Sylvie

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB043966

PO Date: 7/10/19

Due Date: 7/18/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Phone:

Via:

Pynt Terms:

Freight Terms:

Special Comments:

Ground

Net 60

E-MAILED
2019-07-12

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	OH195652	C60-OH	C-Series Remote Hook 6,000 lbs Lift Capacity -Issue P/O; -Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004-.0006 -Bake after plating -Material type; 4140 -Certificate of Conformity is required	Firmed	-	7/18/19	1 pcs	0 pcs	1 pcs	\$390.91/pcs	\$390.91

1 X

JUL 17 2019

Line Item Note: 1 kit = 6 pcs

Grand Total: \$390.91



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB043966



Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 7/12/19 10:00 AM Dart.Guerin.Kimberley



Certificat de Conformité / Certificate of Compliance

(020661-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
Tel: 514-335-3666 Fax: 514-335-3868
www.groupaltech.com

Bon de Livraison / Packing Slip

020661 - 1

Livré à / Ship to

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON, K6A1K7
CANADA
Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON, K6A1K7
CANADA
BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.					
17-Jul-2019		SVETLANA DORZHIYEVA		POHB043966					
#Ligne Line#	No. de Série / # Pièce Part Number /Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir/ Back Order	
1	C60-OH Rev.	C60-OH BRIGHT NICKEL ON STEEL QQ-N-290 CLASS 2 GRADE E OR F 0.0004 TO 0.0006 THICK BAKE AFTER PLATING STRIP AND REPLATE	BRIGHT NICKEL ON AL/ LOT	1	1	0	0	0	
2	BAKING CHARGE Rev.	BAKING CHARGE 01 -BAKING, HYDROGEN EMBRITTLEMENT RELIEF	BAKE MIN-CHG	1	1	0	0	0	
3	STRIP CHARGE Rev.	STRIP CHARGE 01 -STRIP [STRIP]	STRIP MIN-CHG	1	1	0	0	0	

RECEIVED

JUL 17 2019

DART AEROSPACE LTD.

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

JAY

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
Our financial and legal responsibility will not be higher than the amount of invoice.

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
C60-AR	C-Series Remote Hook 6,000 lbs Lift Capacity	1 pcs (1 ea)	110-External Load - 1	
188-FSCS-1032-5/8	Flat socket cap Screw	4 Ea (4 ea)	170-Small Fab	5196435
2595K2 7356 K75	Heat Shrink	1 ft (1 ea)	170-Small Fab	5190246
32448	16-14 AWG Knife Connector	2 Ea (2 ea)	170-Small Fab	5041618
600-1309	CANAM Plate ID Label	1 pcs (1 ea)	170-Small Fab	
600-1309-A	Label	1 pcs (1 ea)	170-Small Fab	
600-1312	Caution Sticker	1 pcs (1 ea)	170-Small Fab	5098056
AN4-24A 23A	Bolt	2 Ea (2 ea)	170-Small Fab	5199673
AN5-21A	Bolt	4 Ea (4 ea)	170-Small Fab	5097081-1
C10-41	Strain Relief Connector	1 Ea (1 ea)	170-Small Fab	
C2-14-2	Label Rivets	2 Ea (2 ea)	170-Small Fab	
C45-1-1	Manual Knob Release	1 pcs (1 ea)	170-Small Fab	
C45-10-1	Lock Spring Pin	1 Ea (1 ea)	170-Small Fab	5040658
C45-11-2	Locating Pin	2 Ea (2 ea)	170-Small Fab	5083115
C45-12-1	Lock Bushing	2 pcs (2 ea)	170-Small Fab	5179771
C45-12-2	Lock Shaft	1 pcs (1 ea)	170-Small Fab	
C45-12-4	Lock Roller	1 pcs (1 ea)	170-Small Fab	
C45-12-5	Lock Roller Pin	1 pcs (1 ea)	170-Small Fab	
C45-12-6 P	Retaining Ring	2 Ea (2 ea)	170-Small Fab	5029303
C45-13-1 PO	Keeper Bushing	2 pcs (2 ea)	170-Small Fab	5123630
C45-13-2 R	Teflon Keeper, Spacer	2 Ea (2 ea)	170-Small Fab	5027246
C45-13-3	Keeper Shaft	1 pcs (1 ea)	170-Small Fab	
C45-13-4	Keeper	1 pcs (1 ea)	170-Small Fab	
C45-13-5	Keeper Spring	1 pcs (1 ea)	170-Small Fab	5172439
C45-3-11	Actuator	1 pcs (1 ea)	170-Small Fab	
C45-3-12	Latch Roller Bearing	1 Ea (1 ea)	170-Small Fab	5097903
C45-3-2	Latch Roller Pin	1 pcs (1 ea)	170-Small Fab	
C45-3-2-1	Snap Ring	2 Ea (2 ea)	170-Small Fab	5066606
C45-3-3	Latch Roller	1 pcs (1 ea)	170-Small Fab	
C45-3-4	Pin	2 pcs (2 ea)	170-Small Fab	5133668
C45-3-4-1	Retaining Ring	4 Ea (4 ea)	170-Small Fab	5114803
C45-3-5 P	Teflon Spacer	2 Ea (2 ea)	170-Small Fab	5029321
C45-3-6	Latch	1 pcs (1 ea)	170-Small Fab	5029322
C45-3-7	Link	1 pcs (1 ea)	170-Small Fab	5029322
C45-3-8A	Actuator Shaft Bushing	1 pcs (1 ea)	170-Small Fab	5078570
C45-3-8B	Actuator Shaft Bushing	1 pcs (1 ea)	170-Small Fab	5182358
C45-3-9 P	Lever Spring	1 pcs (1 ea)	170-Small Fab	5029325
C45-4-1 PO	Trunnion Bushing	2 pcs (2 ea)	170-Small Fab	5122724
C45-4-4A	C45 Load Beam Assembly	1 pcs (1 ea)	170-Small Fab	
C45-4-5	Loadbeam Spacer	1 pcs (1 ea)	170-Small Fab	
C45-5-1 P	Lever Stop Pin	1 Ea (1 ea)	170-Small Fab	5029329
C45-5-2	Lever Stop	1 pcs (1 ea)	170-Small Fab	
C45-7-1	LOADBEAM BUMPER	1 pcs (1 ea)	170-Small Fab	5177835
C45-7-2	Lock Bumper	2 pcs (2 ea)	170-Small Fab	5179118
C45-8-1-2	Solenoid Nut	2 pcs (2 ea)	170-Small Fab	
C45-8-2	Solenoid	1 pcs (1 ea)	170-Small Fab	
C45-8-4	Solenoid Cover Gasket	1 pcs (1 ea)	170-Small Fab	5171779
C45-8-5	Solenoid Cover	1 pcs (1 ea)	170-Small Fab	
C45-9-1	Clock Spring Cover	1 pcs (1 ea)	170-Small Fab	
C45-9-2	Clock Spring	1 pcs (1 ea)	170-Small Fab	
C60-10-2	Lock Spring	1 pcs (1 ea)	170-Small Fab	5076648
C60-11-1	Side Plate Solenoid	1 pcs (1 ea)	170-Small Fab	
C60-12-3	Lock	1 pcs (1 ea)	170-Small Fab	
C60-2-1	Side Plate	1 pcs (1 ea)	170-Small Fab	
C60-3-1	Radial Bearing	2 Ea (2 ea)	170-Small Fab	5100180
G60-3-10	Latch Shaft	1 pcs (1 ea)	170-Small Fab	
EL-PLUG-M	3-Prong Male Spade Plug	1 Ea (1 ea)	170-Small Fab	
EL314-SJTOW	Long Line Electrical Wire, 14/3 Gauge replace w/ 01004-08-047	1 ft (1 ea)	170-Small Fab	
MS21044N5	Nut	4 Ea (4 ea)	170-Small Fab	5192486
MS27039-4-08	Screw	1 Ea (1 ea)	170-Small Fab	5039330
NAS1149F0463P	Washer	3 Ea (3 ea)	170-Small Fab	5097088-1
NAS1149F0663P	Washer	8 Ea (8 ea)	170-Small Fab	5184942

188-FPSS-1/4-20-3/8 SET SCREW

2

5048557

1 AN960-516

WASHER

8

5041158-1

1 32446

TERMINAL

2

5120365

~~C45-15-5~~~~NUT~~~~2~~~~5185667~~

C45-15-5

NUT

2

5185667



Remote Cargo Hook Test Form

C60

Work Order OH 195652Customer RA 693Serial Number AC 12001Date 2019-7-19

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	15,000	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	3,000	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	6,000	Electircal, 22 volts	Current shall not exceed 12.4A	8.8 Amp.	Pass
2	4,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.7 Amp.	Pass
2	3,000	Electircal, 22 volts	Current shall not exceed 12.4A	8.7 Amp.	Pass
2	1,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.7 Amp.	Pass
2	500	Electircal, 22 volts	Current shall not exceed 12.4A	8.7 Amp.	Pass
1	6,000	Electircal, 20 volts	Current shall not exceed 11.3A	7.9 Amp.	Pass
1	6,000	Electircal, 28 volts	Current shall not exceed 15.8A	11.1 Amp.	Pass
1	6,000	Manual		N/A	Pass
1	6,000	Impact Test	Impact shackle 10 times, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ohms	1.9 Ohms	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By

Michel Lalonde

Signature:

Sylvie Pancher
QC 5 Small FAB / QA**Submit**



Remote Cargo Hook Test Form

C60

Work Order OH 195652

Customer RA 693

Serial Number AC 12001

Date 2019-7-19

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	15,000	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	3,000	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	6,000	Electircal, 22 volts	Current shall not exceed 12.4A	8.8 Amp.	Pass
2	4,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.7 Amp.	Pass
2	3,000	Electircal, 22 volts	Current shall not exceed 12.4A	8.7 Amp.	Pass
2	1,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.7 Amp.	Pass
2	500	Electircal, 22 volts	Current shall not exceed 12.4A	8.7 Amp.	Pass
1	6,000	Electircal, 20 volts	Current shall not exceed 11.3A	7.9 Amp.	Pass
1	6,000	Electircal, 28 volts	Current shall not exceed 15.8A	11.1 Amp.	Pass
1	6,000	Manual		N/A	Pass
1	6,000	Impact Test	Impact shackle 10 times, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ohms	1.9 Ohms	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By Michel Lalande

Signature: _____

QC 5 Small FAB / QA

Submit



Overhaul Incoming Inspection
C60 Cargo Hook

Custome OH195652 / RA 693

Date 2019/06/20

Part Number C60

Serial Number AC12001

ORDER : 16735

Additional Recomendated Replacement Parts

Part Number to Replace

Customer Approval

(1) x C45-3-7 LINK

(2) x C45-3-4 LINK PIN

☒ OK
☒ Approved.

- ☐
- ☐
- ☐
- ☐
- ☐
- ☐
- ☐
- ☐
- ☐

Inspected By ALAIN PATRY

Sent to sales
6-25-19
Job Born updated.
20th - Aug.



Job Bill of Material			
Job No: OH195652	Job Op:	Active Only: ☐	
Component Part:	Primary Aircraft Application:	Job Op Status:	Search

Job No	Job Status	Part No	Rev	Operation	Quantity	Component Part/Item	Rev	Component Name	Mfr Parts	Active	Validate	Deplete	Special Comments
OH195652	Scheduled	C60	OH	110-External Load - Issue SN	1 pcs/pc	C60	AR	C-Series Remote Hook 6,000 lbs Lift Capacity		✓	✓	✓	
				170-External Load - 4 - B4B	2 Ea/pc	188-FPSS-1032-3/8		Set Screw		✓	✓	✓	
					4 Ea/pc	188-FSCS-1032-5/8		Flat socket cap Screw		✓	✓	✓	
					1 ft/pc	2595K2		Heat Shrink			✓	✓	
					2 Ea/pc	32448		16-14 AWG Knife Connector			✓	✓	
					1 pcs/pc	600.1309		Label			✓	✓	
					1 pcs/pc	600.1309-A		Label		✓	✓	✓	
					1 pcs/pc	600.1312		Caution Sticker		✓	✓	✓	
					2 Ea/pc	AN4-24A		Bolt		✓	✓	✓	
					4 Ea/pc	AN5-21A		Bolt		✓	✓	✓	
					1 Ea/pc	C10-41		Strain Relief Connector			✓	✓	
					2 Ea/pc	C2-14-2		Label Rivets		✓	✓	✓	
					1 pcs/pc	C45-1-1		Manual Knob Release			✓	✓	
					1 Ea/pc	C45-10-1		Lock Spring Pin			✓	✓	
					2 Ea/pc	C45-11-2		Locating Pin		✓	✓	✓	
					2 pcs/pc	C45-12-1		Lock Bushing		✓	✓	✓	
					1 pcs/pc	C45-12-2		Lock Shaft			✓	✓	
					1 pcs/pc	C45-12-4		Lock Roller			✓	✓	
					1 pcs/pc	C45-12-5		Lock Roller Pin			✓	✓	
					2 Ea/pc	C45-12-6		Retaining Ring		✓	✓	✓	
					2 pcs/pc	C45-13-1		Keeper Bushing		✓	✓	✓	
					2 Ea/pc	C45-13-2		Teflon Keeper, Spacer		✓	✓	✓	
					1 pcs/pc	C45-13-3		Keeper Shaft			✓	✓	
					1 pcs/pc	C45-13-4		Keeper			✓	✓	
					1 pcs/pc	C45-13-5		Keeper Spring		✓	✓	✓	
					1 pcs/pc	C45-3-11		Actuator			✓	✓	
					1 Ea/pc	C45-3-12		Latch Roller Bearing		✓	✓	✓	
					1 pcs/pc	C45-3-2		Latch Roller Pin			✓	✓	
					2 Ea/pc	C45-3-2-1		Snap Ring		✓	✓	✓	
					1 pcs/pc	C45-3-3		Latch Roller			✓	✓	
					2 pcs/pc	C45-3-4		Pin		✓	✓	✓	
					4 Ea/pc	C45-3-4-1		Retaining Ring		✓	✓	✓	
					2 Ea/pc	C45-3-5		Teflon Spacer		✓	✓	✓	
					1 pcs/pc	C45-3-6		Latch			✓	✓	
					1 pcs/pc	C45-3-7		Link		✓	✓	✓	
					1 pcs/pc	C45-3-8A		Actuator Shaft Bushing		✓	✓	✓	
					1 pcs/pc	C45-3-8B		Actuator Shaft Bushing		✓	✓	✓	
					1 pcs/pc	C45-3-9		Lever Spring		✓	✓	✓	
					2 pcs/pc	C45-4-1		Trunnion Bushing		✓	✓	✓	
					1 pcs/pc	C45-4-4A		C45 Load Beam Assembly			✓	✓	
					1 pcs/pc	C45-4-5		Loadbeam Spacer			✓	✓	
					1 Ea/pc	C45-5-1		Lever Stop Pin		✓	✓	✓	
					1 pcs/pc	C45-5-2		Lever Stop			✓	✓	
					1 pcs/pc	C45-7-1		LOADBEAM BUMPER		✓	✓	✓	
					2 pcs/pc	C45-7-2		Lock Bumper		✓	✓	✓	
					2 pcs/pc	C45-8-1-2		Solenoid Nut			✓	✓	
					1 pcs/pc	C45-8-2		Solenoid			✓	✓	
					1 pcs/pc	C45-8-4		Solenoid Cover Gasket		✓	✓	✓	
					1 pcs/pc	C45-8-5		Solenoid Cover			✓	✓	
					1 pcs/pc	C45-9-1		Clock Spring Cover			✓	✓	
					1 pcs/pc	C45-9-2		Clock Spring			✓	✓	
					1 pcs/pc	C60-10-2		Lock Spring		✓	✓	✓	
					1 pcs/pc	C60-11-1		Side Plate Solenoid			✓	✓	
					1 pcs/pc	C60-12-3		Lock			✓	✓	
					1 pcs/pc	C60-2-1		Side Plate			✓	✓	
					2 Ea/pc	C60-3-1		Radial Bearing		✓	✓	✓	
					1 pcs/pc	C60-3-10		Latch Shaft			✓	✓	
					1 Ea/pc	EL-PLUG-M		3-Prong Male Spade Plug			✓	✓	

Job No	Job Status	Part No	Rev	Operation	Quantity	Component Part/Item	Rev	Component Name	Mfr Parts	Active	Validate	Deplete	Special Comments
					1 ft/pc	EL314-SJTOW		Long Line Electrical Wire, 14/3 Gauge replace w/t 01004-08-047			✓	✓	
					4 Ea/pc	MS21044N5		Nut		✓	✓	✓	
					1 Ea/pc	MS27039-4-08		Screw		✓	✓	✓	
					3 Ea/pc	NAS1149F0463P		Washer (AN960-416)		✓	✓	✓	
					8 Ea/pc	NAS1149F0563P		Washer (AN960-516)		✓	✓	✓	